

Summary

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Production of secondary metabolites in plant tissue cultures

Experimental work aimed at monitoring of influence of the cerium chlorid as an elicitor on the production of scopoletin in *Angelica archangelica* L suspension cultures. Cultivation was carried out by on Murashige and Skoog medium in the light and also in the darkness. For the quantification of scopoletin was used technique of high performance chromatography with fluorimetric detection. The findings of the work demonstrated the higher values of the scopoletin amount by the cerium ion's elicitation at the cultivation in the dark.